

| BAR<br>SIZE | * LOCATION CATEGORY |                      |        |
|-------------|---------------------|----------------------|--------|
|             | A                   | B                    | C      |
| #4          | 2'-11"              | 2'-1"                | 1'-8"  |
| #5          | 3'-7"               | 2'-7"                | 2'-1"  |
| #6          | 4'-4"               | 3'-1"                | 2'-6"  |
| #7          | 5'-1"               | Does<br>Not<br>Exist | 2'-11" |
| #8          | 6'-8"               |                      | 3'-10" |
| #9          | 8'-5"               |                      | 4'-10" |
| #10         | 10'-9"              |                      | 6'-2"  |
| #11         | 13'-2"              |                      | 7'-7"  |

\* LOCATION CATEGORY

- A - Bars in horizontal layers in top of pour with 12" or more of concrete below them such as in: footings, pier caps, etc.  
B - All bars not in Category A spaced less than 6" apart.  
C - All bars not in Category A spaced 6" or more apart.

Note:

- When bar lap is not specified on the Plans, CASE NO.2 - For bars coated with epoxy not in Case No.1. the above dimensions shall be used.
- These bar laps do not apply when bar is in lightweight concrete. Greater lengths are required for this material.
- These bar laps only apply where the General Notes indicate "Reinforcing Steel Design,  $f_y = 60$  ksi."

| APPROVAL  |      |
|---|------|
| <i>L.S. Friedman</i> DIRECTOR<br>OFFICE OF BRIDGE DEVELOPMENT |      |
| DATE: 2/2/90  |      |
| REVISIONS   |      |
| SHA   | FHWA |
| 11-23-93  | .    |
| 1-22-01   | .    |
| 9-20-05   | .    |
| 11-26-07  | .    |

FHWA APPROVAL  
DATE:

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF BRIDGE DEVELOPMENT  
BAR LAP DIMENSIONS FOR  
GRADE 60 REINFORCING STEEL  
IN MIX NO. 6 (4500 P.S.I.) CONCRETE  
EPOXY COATED REINFORCING CASE NO.2



STANDARD NO. M(6.05)-80-122(L)

SHEET 3 OF 3